ALAN MATHEW VARGHESE

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Website ◇ LinkedIn ◇ GitHub

EDUCATION

TKM College of Engineering Kollam, Kerala, India 2022 - 2026
- B.Tech in Computer Science and Engineering. CGPA: 8.27
- Undergraduate Coursework: DSA, Operating System, Discrete Mathematics, Database.

Christ Central School Thiruvalla, Kerala, India 2020 - 2022
- CBSE 12th grade in Computer Science (94%).
- Coursework: Fundamentals of programming, Python.

Mathews Mar Athanasius Residential School Chengannur, Kerala, India 2008 - 2020
- ICSE 10th grade (97%).

EXPERIENCE

- Developed a Game for **National level Techno Cultural Fest**, **HESTIA'23** at TKM College of Engineering, 2023
- Worked as a designer for **National level Techno Cultural Fest**, **HESTIA'24** at TKM College of Engineering, 2024
- Worked as a part-time designer for **Invite Invitations**, Kollam
- Attended a workshop on **Self Driving Robot** held at College of Engineering, Chengannur, 2023
- Attended a workshop on **Data Science** as part of **PyWeek** held at TKM College of Engineering, 2024
- Completed **Career Essentials in Software Development by Microsoft and LinkedIn**, 2024
- Participated in Kerala's biggest web3 hackathon, **Xinnovate Kerala 2024**

PROJECTS

- **Balloon Shooter Game with Hand Detection Model** - Balloon Shooter game played using hand gestures which are detected by Hand Detection module. Implemented using Python with Pygame and Open cv and Mediapipe modules. (GitHub link)
- **Car Detection Model** - A model developed to identify cars in a video and find the total number of cars in it. Implemented using Python with Open cv and Numpy modules. (GitHub link)
- **NEAT Flappy Bird -** This is the Flappy Bird Game using NEAT and Pygame written in Python. NEAT stands for neuro evolution of augmenting topologies and is a genetic algorithm that creates artificial neural networks.(GitHub link)
- **School Data Management System (2022) -** Data management system with features to handle student and employee details. Implemented using Python and MySQL. (GitHub link)

LEADERSHIPS

- **Design Head** in Executive Committee of CSI, TKM College of Engineering (2023-2024)
- **Design Team** in Executive Committee of Coding Club, TKM College of Engineering (2023-2024)
- **Design Team** in Executive Committee of ACM, TKM College of Engineering (2023-2024)

TECHNOLOGIES AND SKILLS

- Python, C++, C, Java, MySQL, HTML, CSS, JavaScript
- Figma, Photoshop, Blender, After Effects
- Leadership, Problem Solving, Creative Thinking, Independent Learner

LANGUAGES

- English
- Hindi
- Malayalam

HOBBIES

- Chess
- Piano
- Photography